

FIG. 1

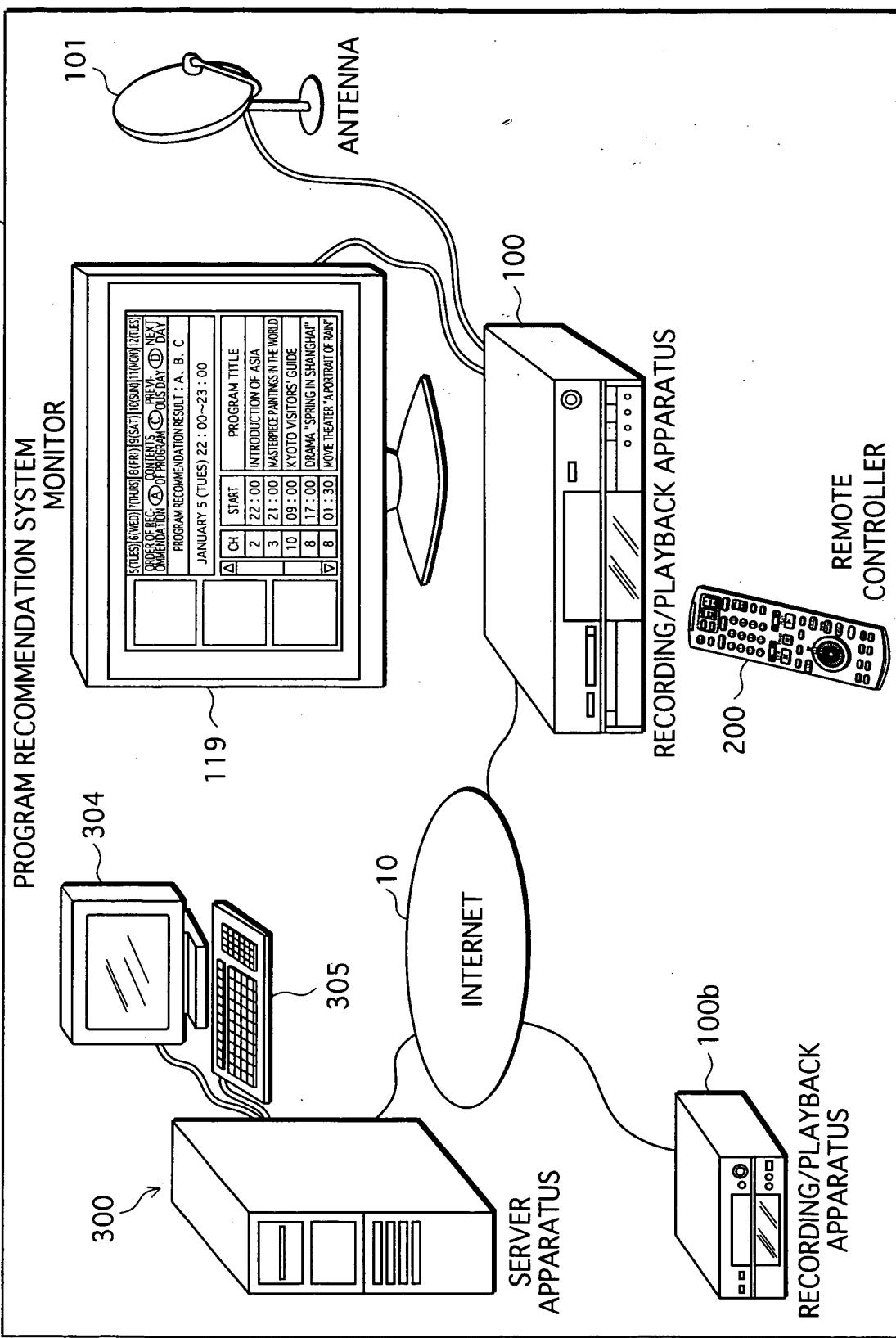


FIG.2

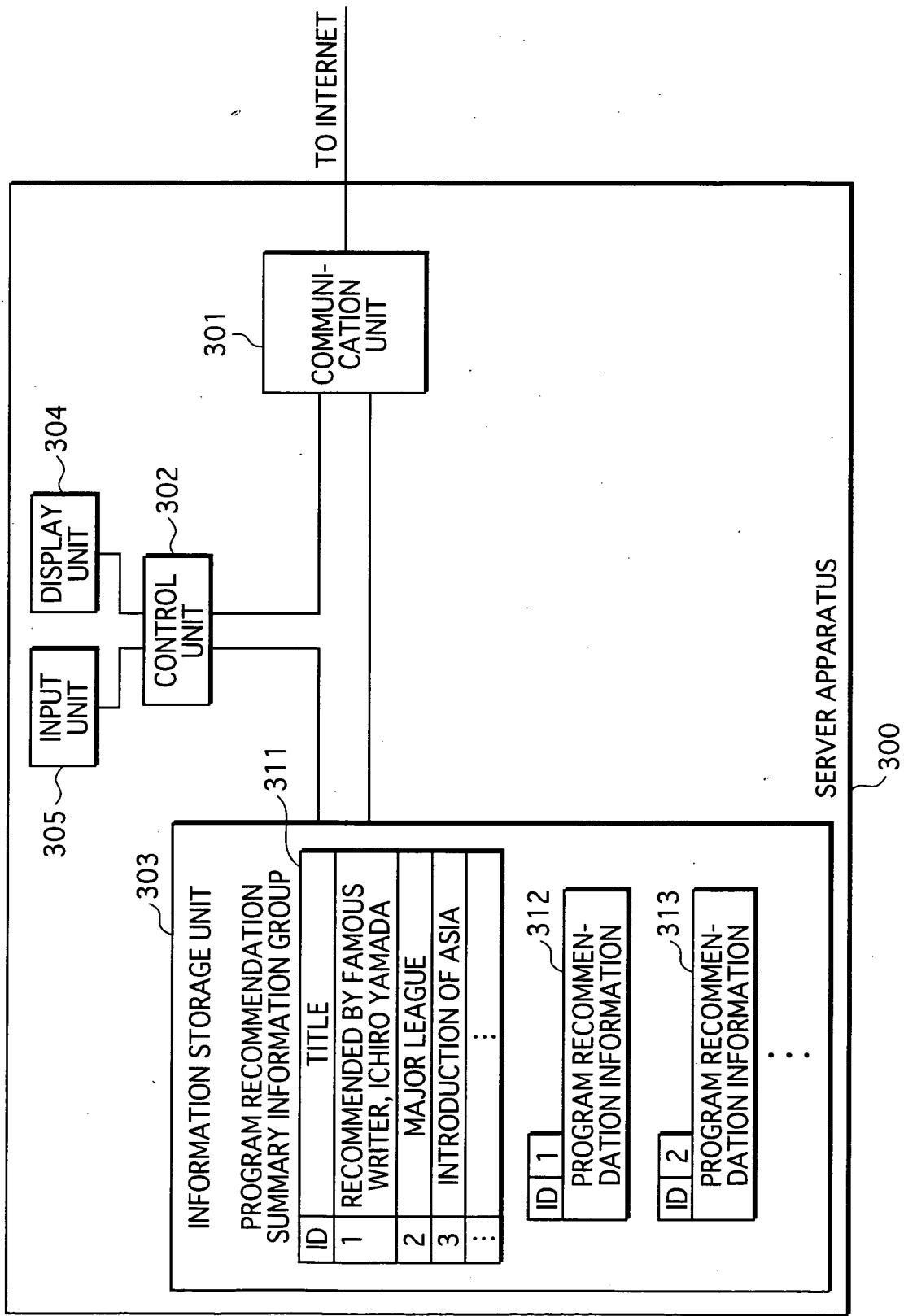


FIG.3
RECORDING/PLAYBACK APPARATUS

101
BROAD-CAST WAVE

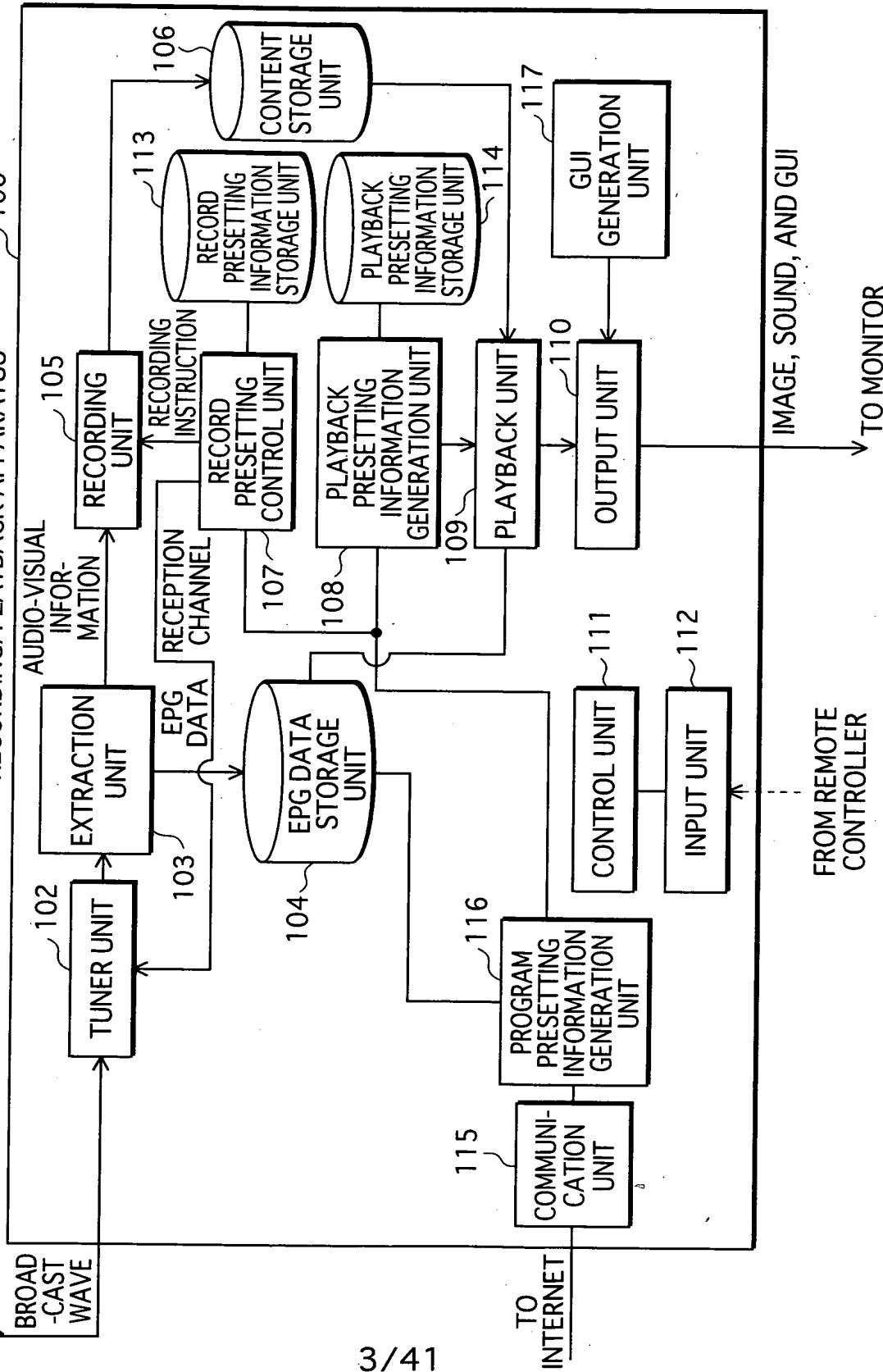


FIG. 4

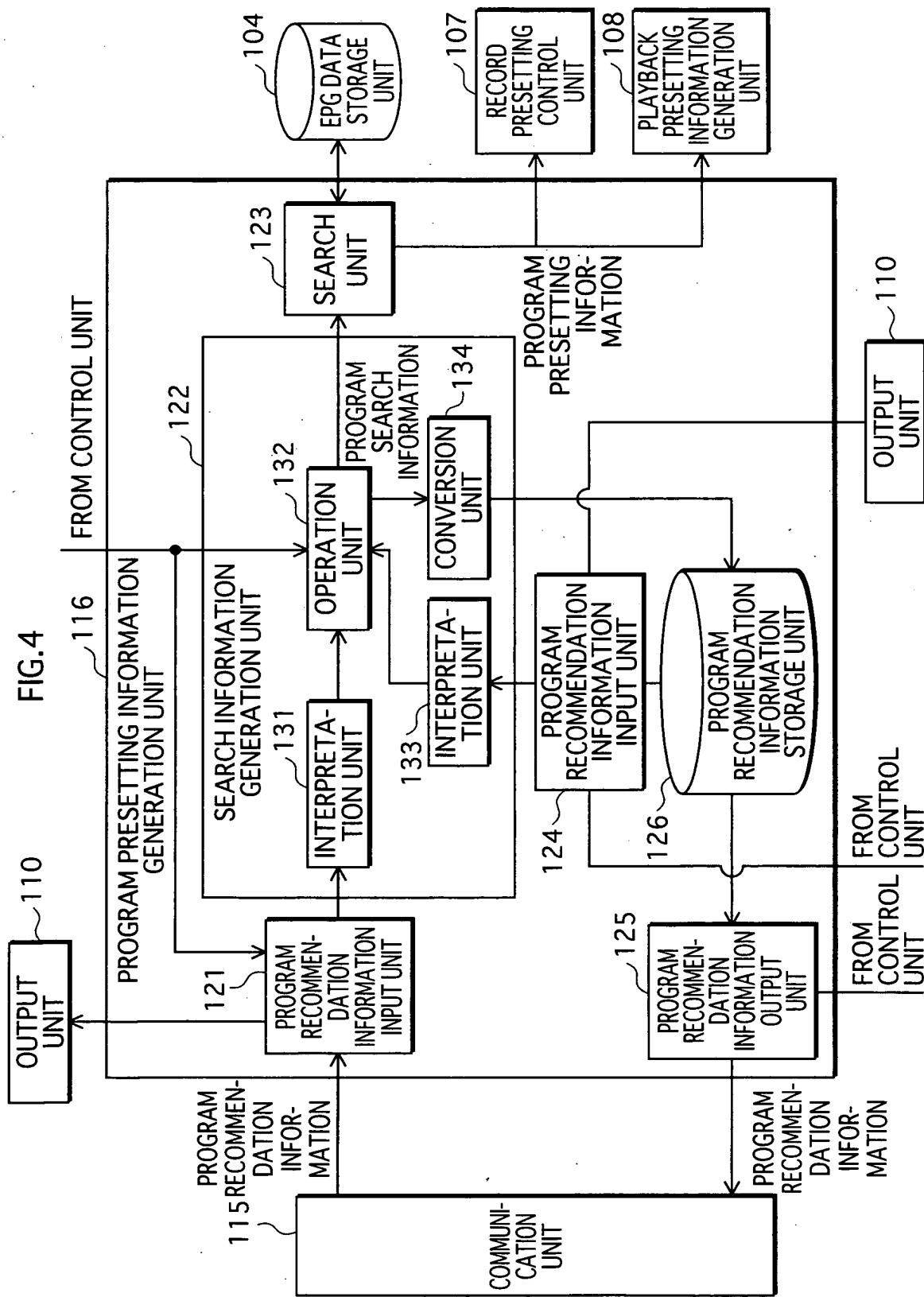


FIG.5

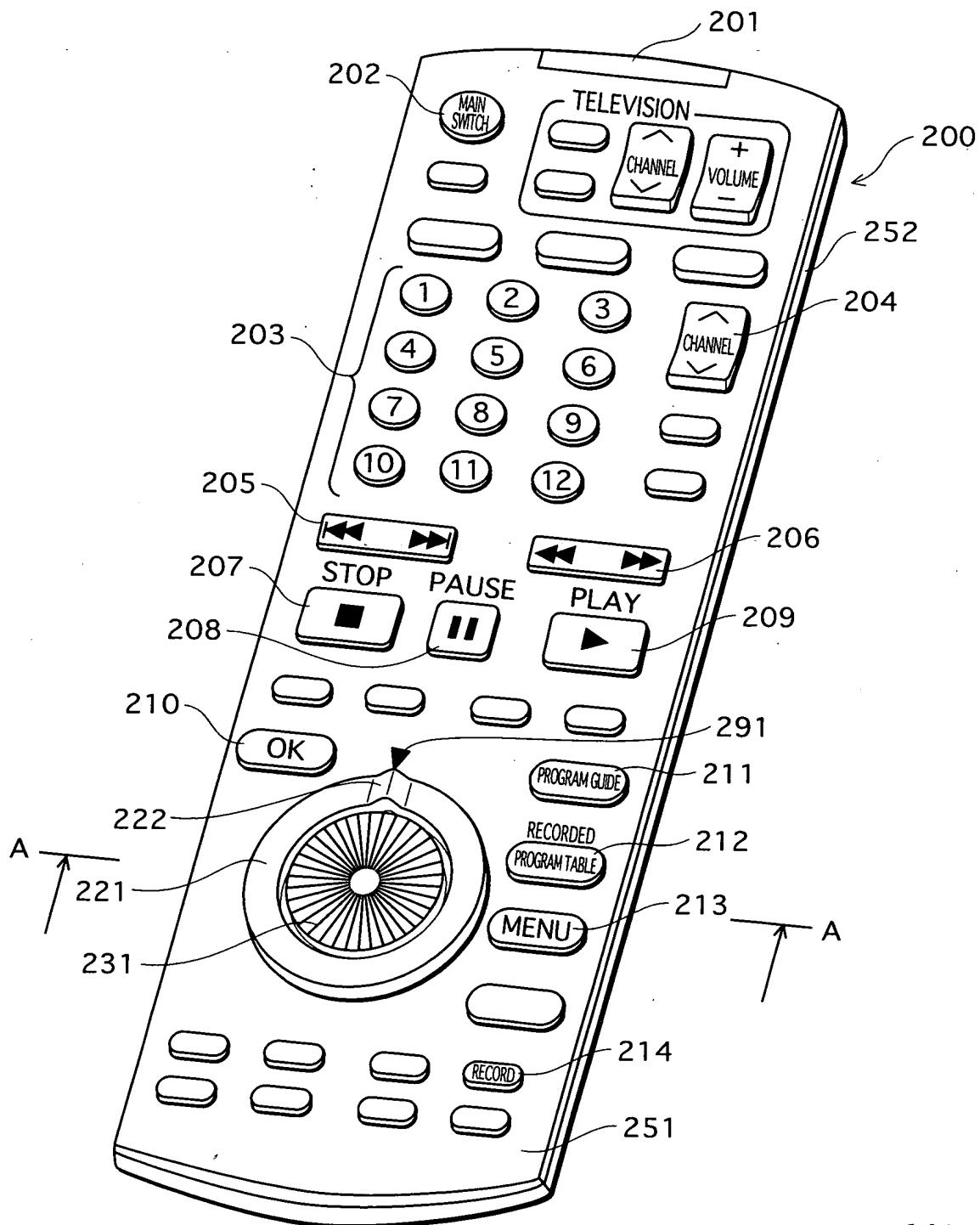


FIG.6

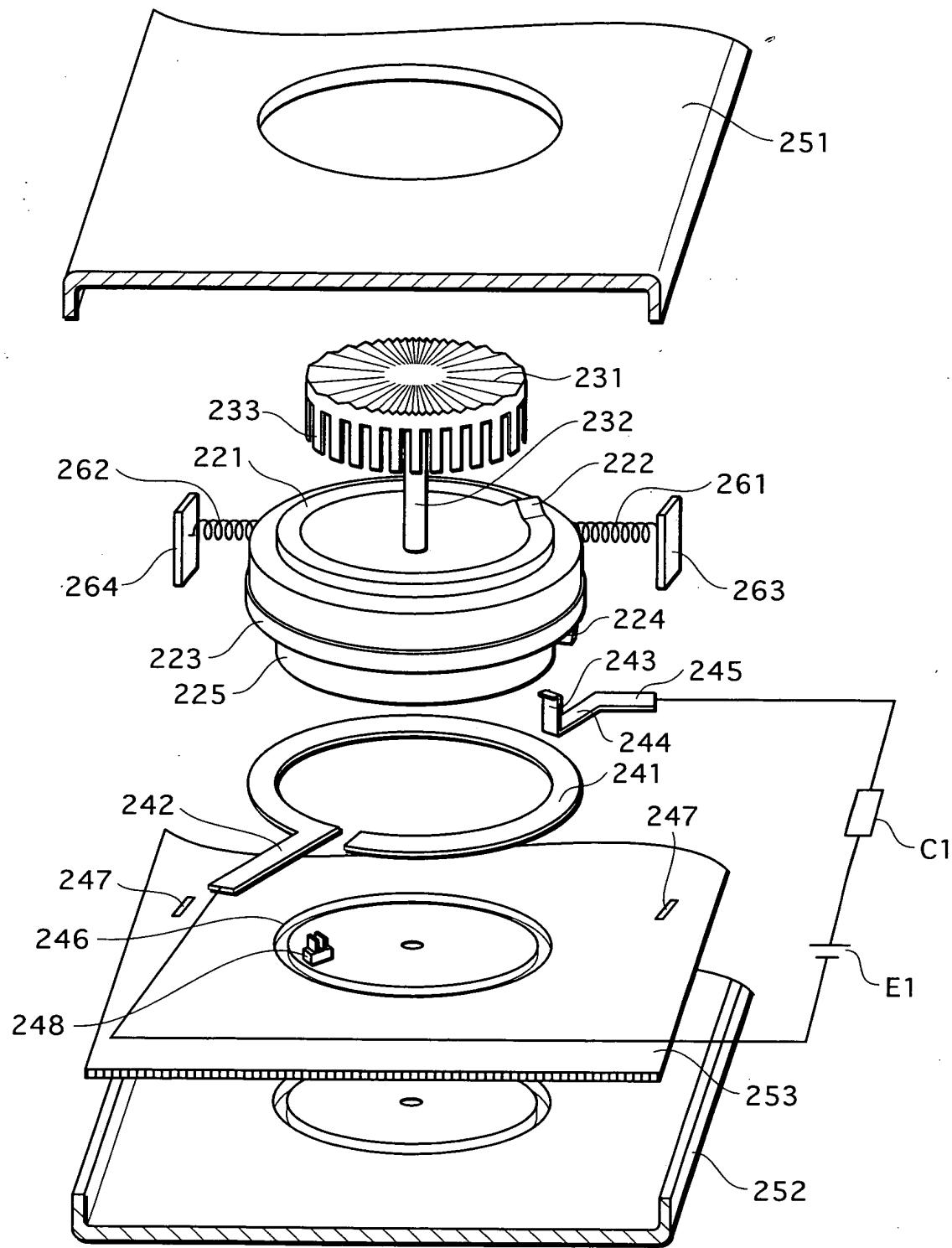


FIG.7

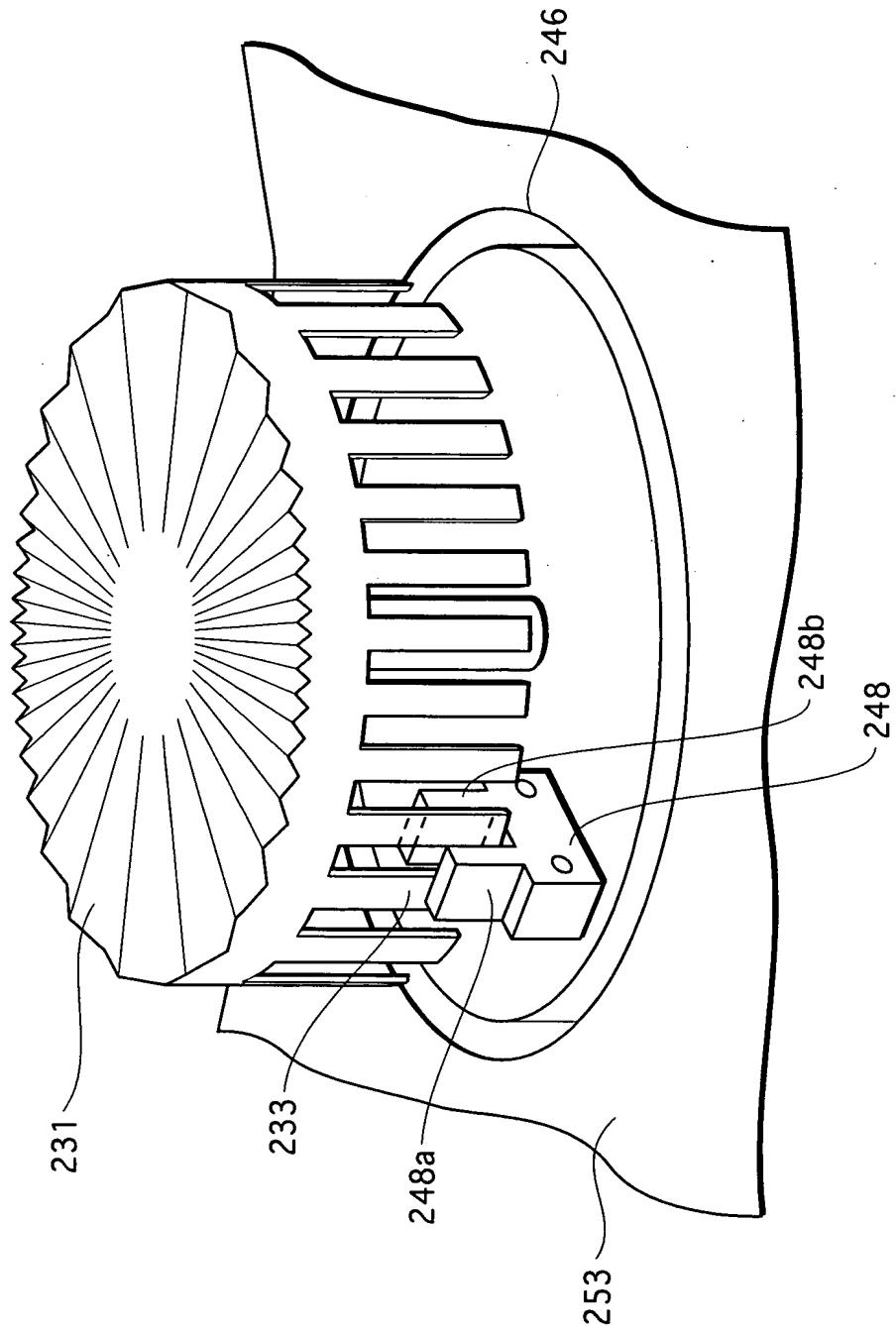


FIG.8

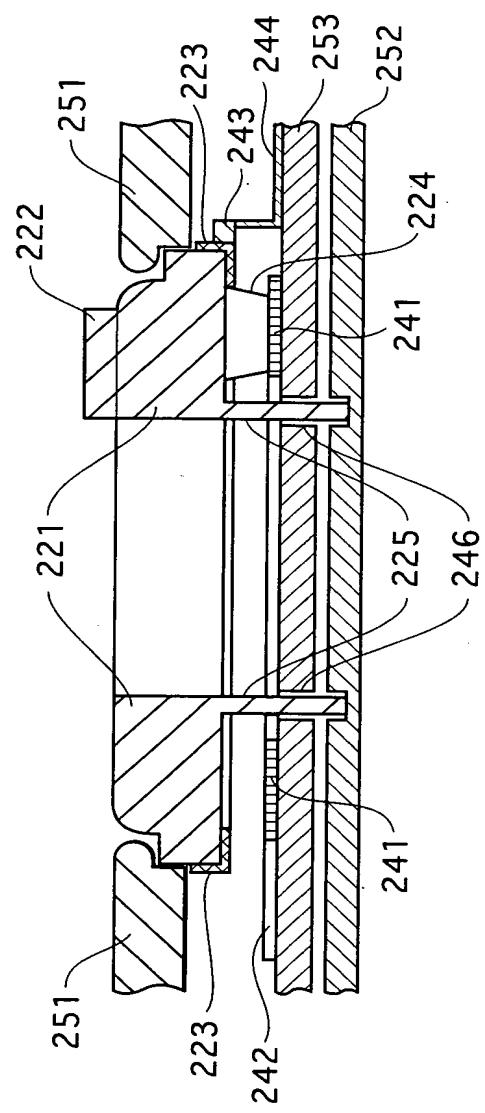


FIG.9

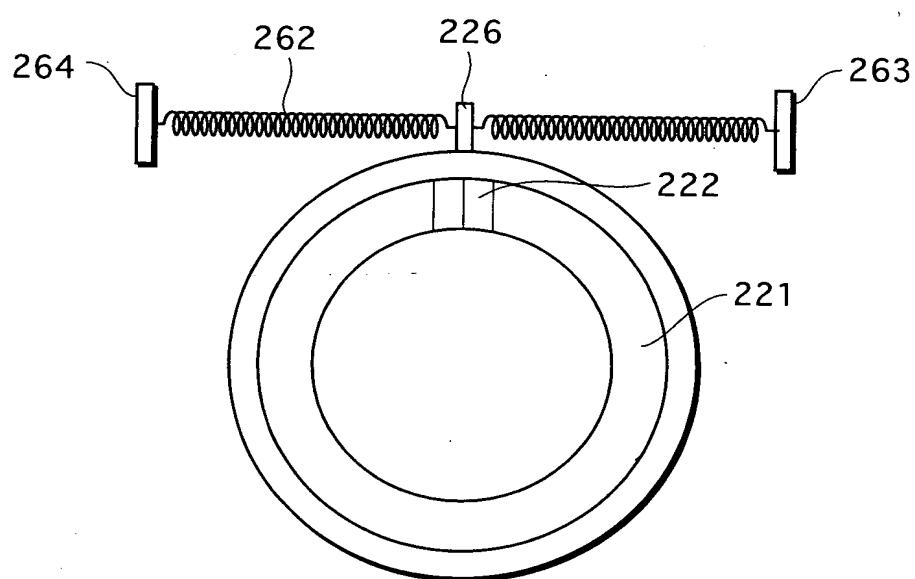


FIG.10

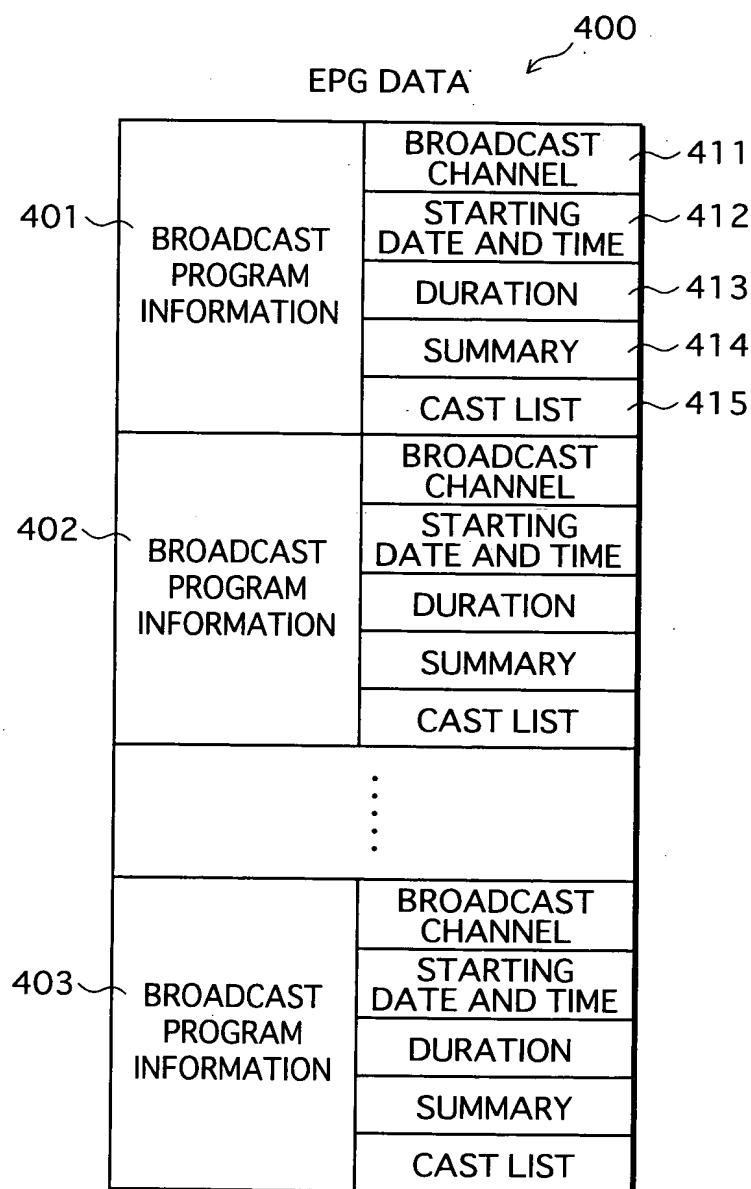


FIG.11

PROGRAM RECOMMENDATION INFORMATION

420

```
<?xml version="1.0" encoding="Shift_JIS"?>
```

PRESETTING INFORMATION AREA

```
<rec_list>
  <date>20030707</date> ~ 421b
  <start_time>2000</start_time> ~ 421c
  <end_time>2055</end_time> ~ 421d
  <channel>8</channel> ~ 421e
</rec_list>
```

KEYWORD AREA

```
<keyword_list>
  <keyword>BASEBALL </keyword> ~ 422a
  <keyword>MAJOR LEAGUE </keyword> ~ 422b
  <keyword>JAPANESE </keyword> ~ 422c
</keyword_list>
```

SEARCH FORMULA AREA

```
<formula_list>
  <formula>“FOOTBALL”* (“EUROPE”+“SERIE A”+“PREMIUM”) </formula> ~ 423a
  <formula> (“THE ANTARCTIC”+“NEW ZEALAND”+“AFRICA”)*“PENGUIN” </formula> ~ 423b
</formula_list>
:
```

FIG.12

PROGRAM RECOMMENDATION INFORMATION 430

```
<?xml version="1.0"encoding="Shift_JIS"?>
:
<rec_list>
  <date>20030708</date>
  <start_time>1900</start_time>
  <end_time>1955</end_time>
  <channel>6</channel>
</rec_list>
<keyword_list>
  <keyword>BASEBALL</keyword>
  <keyword>TARO</keyword>
</keyword_list>
<formula_list>
  <formula>("AFRICA"+“ANIMAL”)</formula>
  <formula>("MUSIC"+“MUSIC”)*“CONCERT”</formula>
</formula_list>
:

```

PRESETTING INFORMATION AREA

431

KEYWORD AREA

432

SEARCH FORMULA AREA

433

FIG. 13

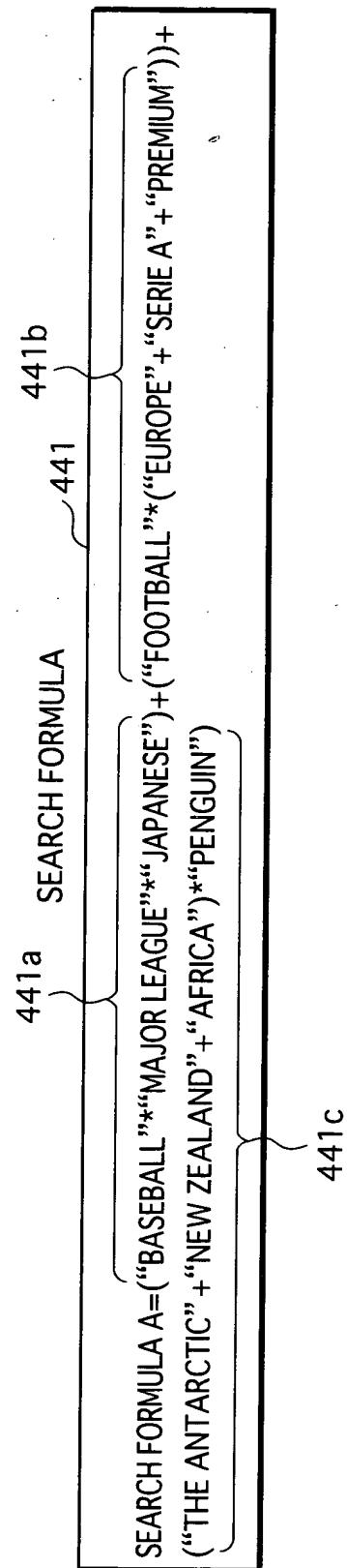


FIG. 14

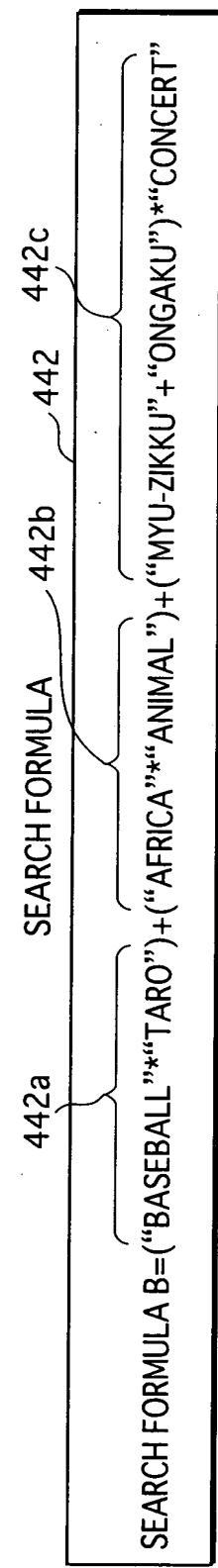


FIG.15

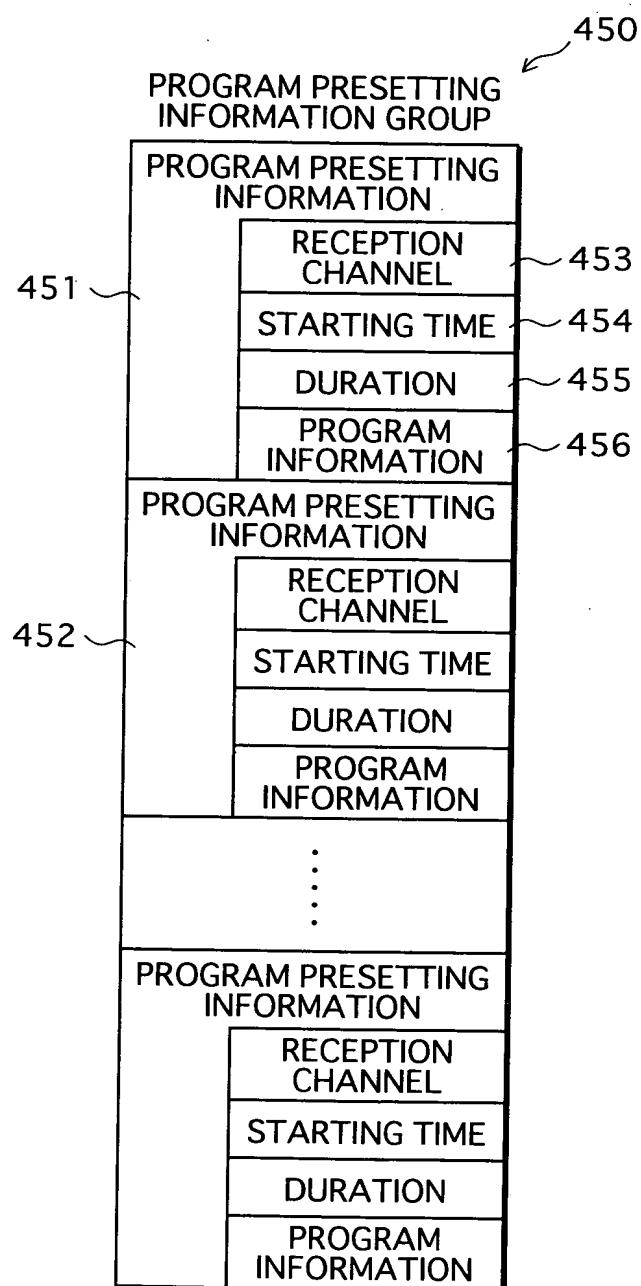


FIG.16

460

RECORD PRESETTING INFORMATION GROUP

RECORD PRESETTING INFORMATION	
463	RECEPTION CHANNEL 59
464	STARTING TIME JULY 11, 2005-07:00
465	DURATION 120
466	PROGRAM INFORMATION INTRODUCTION OF ASIA
RECORD PRESETTING INFORMATION	
462	RECEPTION CHANNEL 61
	STARTING TIME JULY 12, 2005-09:00
	DURATION 60
	PROGRAM INFORMATION MASTERPIECE PAINTINGS IN THE WORLD
	⋮

FIG.17

470

PLAYBACK PRESETTING INFORMATION GROUP

PLAYBACK PRESETTING INFORMATION		~~ 471
RECEPTION CHANNEL	59	~~ 473
STARTING TIME	JULY 13. 2005 19:00	~~ 474
DURATION	120	~~ 475
PROGRAM INFORMATION	INTRODUCTION OF ASIA	~~ 476
PLAYBACK PRESETTING INFORMATION		~~ 472
RECEPTION CHANNEL	60	
STARTING TIME	JULY 13. 2005 21:00	
DURATION	60	
PROGRAM INFORMATION	MASTERPIECE PAINTINGS IN THE WORLD	
:		

FIG.18

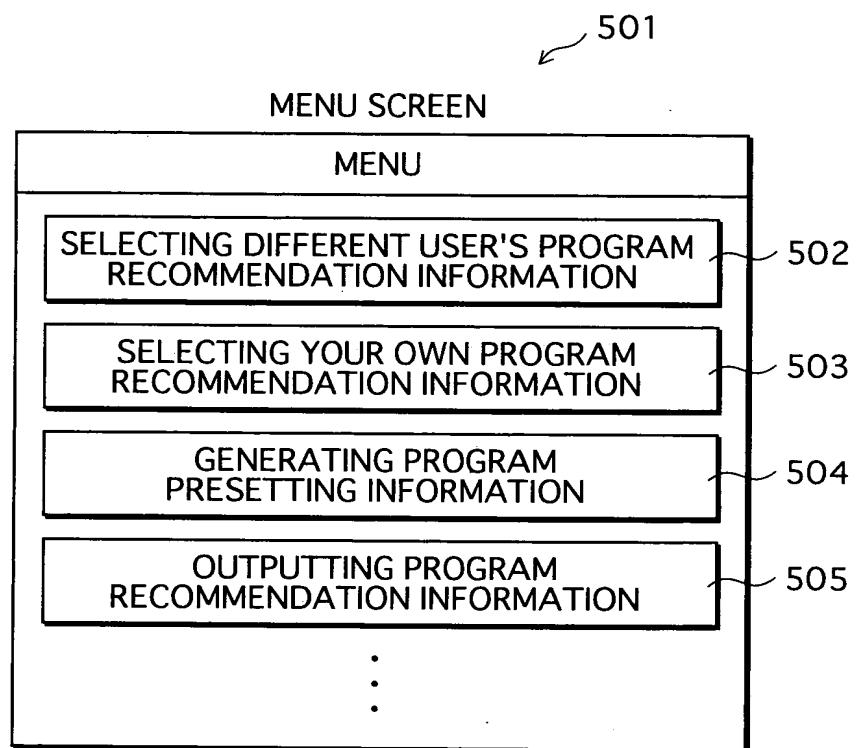


FIG.19

SELECTION SCREEN TO SELECT DIFFERENT USER'S
PROGRAM RECOMMENDATION INFORMATION

511

512

513

514

515

ID	TITLE	
1	RECOMMENDED BY FAMOUS WRITER, ICHIRO YAMADA	△
2	MAJOR LEAGUE	
3	INTRODUCTION OF ASIA	
4	FOR CHILDREN OF 10-12 YEARS OLD	
5	MASTERPIECE PAINTINGS IN THE WORLD	
6	KYOTO VISITORS' GUIDE	▽

DOWNLOAD

home

FIG.20

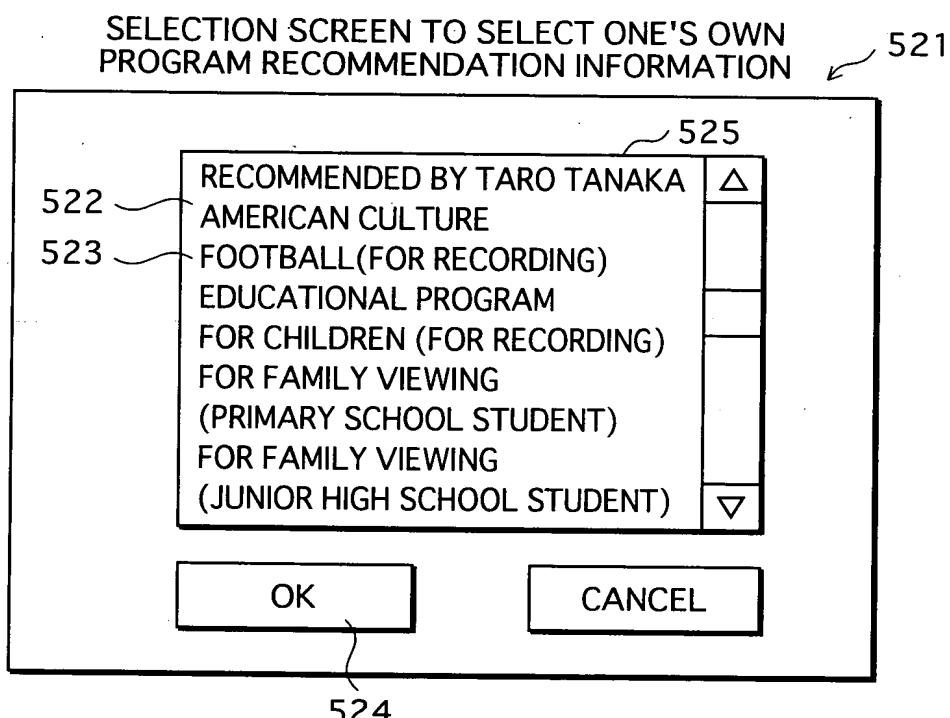


FIG.21

PROGRAM GUIDE					
10:00	4ch NEWS	6ch THE YOUNG ACE	8ch MOVIE THEATER	10ch NEWS	Mych NEWS
11:00	NEWS-WORLD	"A PORTRAIT OF RAIN"		MEN: FINAL	DRAMA
12:00	SPORTS			DRAMA	DRAMA
13:00	PROFESSIONAL BASEBALL	WEATHER FORECAST		NEWS	536 NATIONAL PARKS
14:00	NEWS	MESSAGES FROM THE WORLD	COMEDY	MOVIE	537 COMEDY
		WEATHER FORECAST		WEATHER FORECAST	NEWS

FIG.22

541

542

543

544

CH	START	PROGRAM TITLE
2	22:00	INTRODUCTION OF ASIA
3	21:00	MASTERPIECE PAINTINGS IN THE WORLD
10	09:00	KYOTO VISITORS' GUIDE
8	17:00	DRAMA "SPRING IN SHANGHAI"
8	01:30	MOVIE THEATER "A PORTRAIT OF RAIN"
4	20:00	LEGEND OF KOTARO YAMASHITA

FIG.23

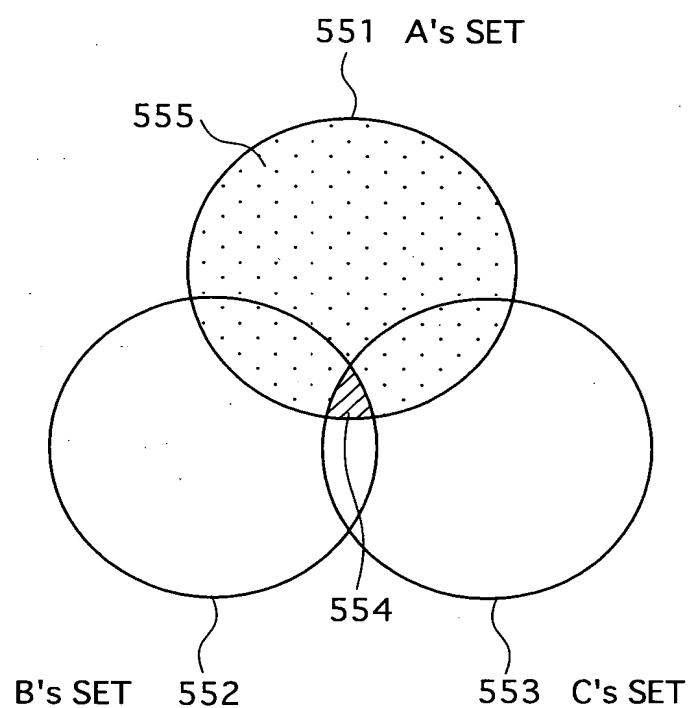


FIG.24

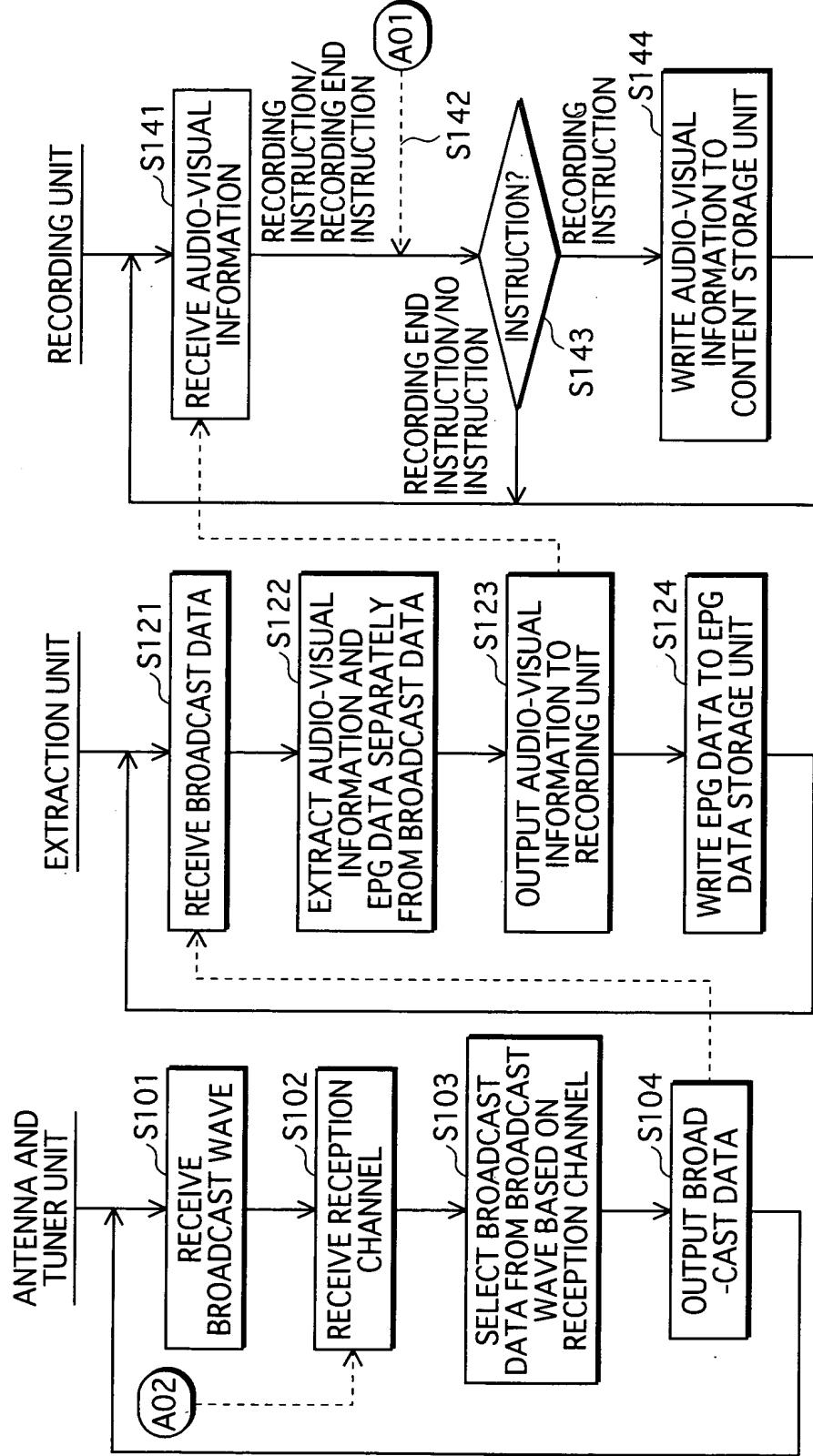


FIG.25
RECORD PRESETTING CONTROL UNIT

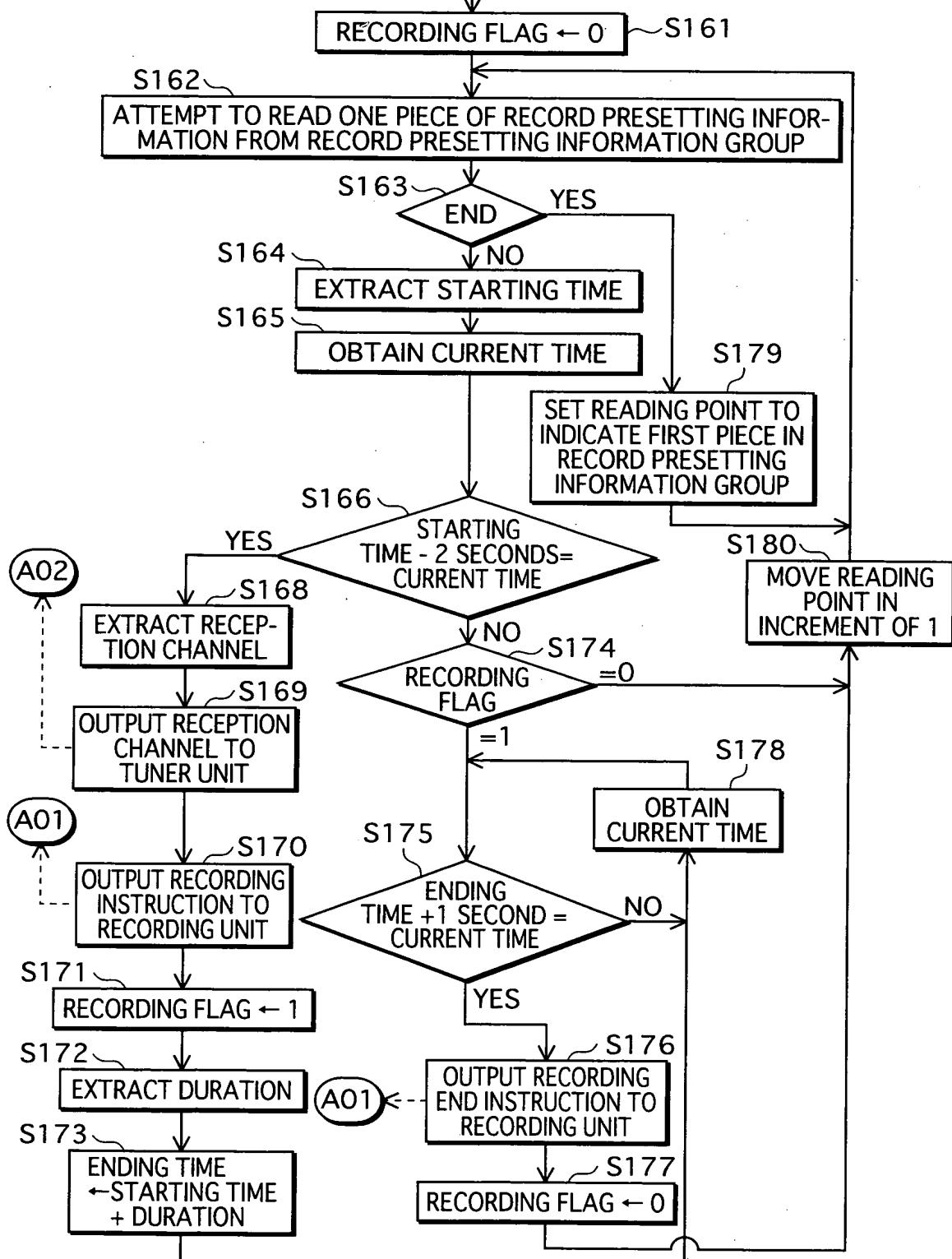


FIG. 26

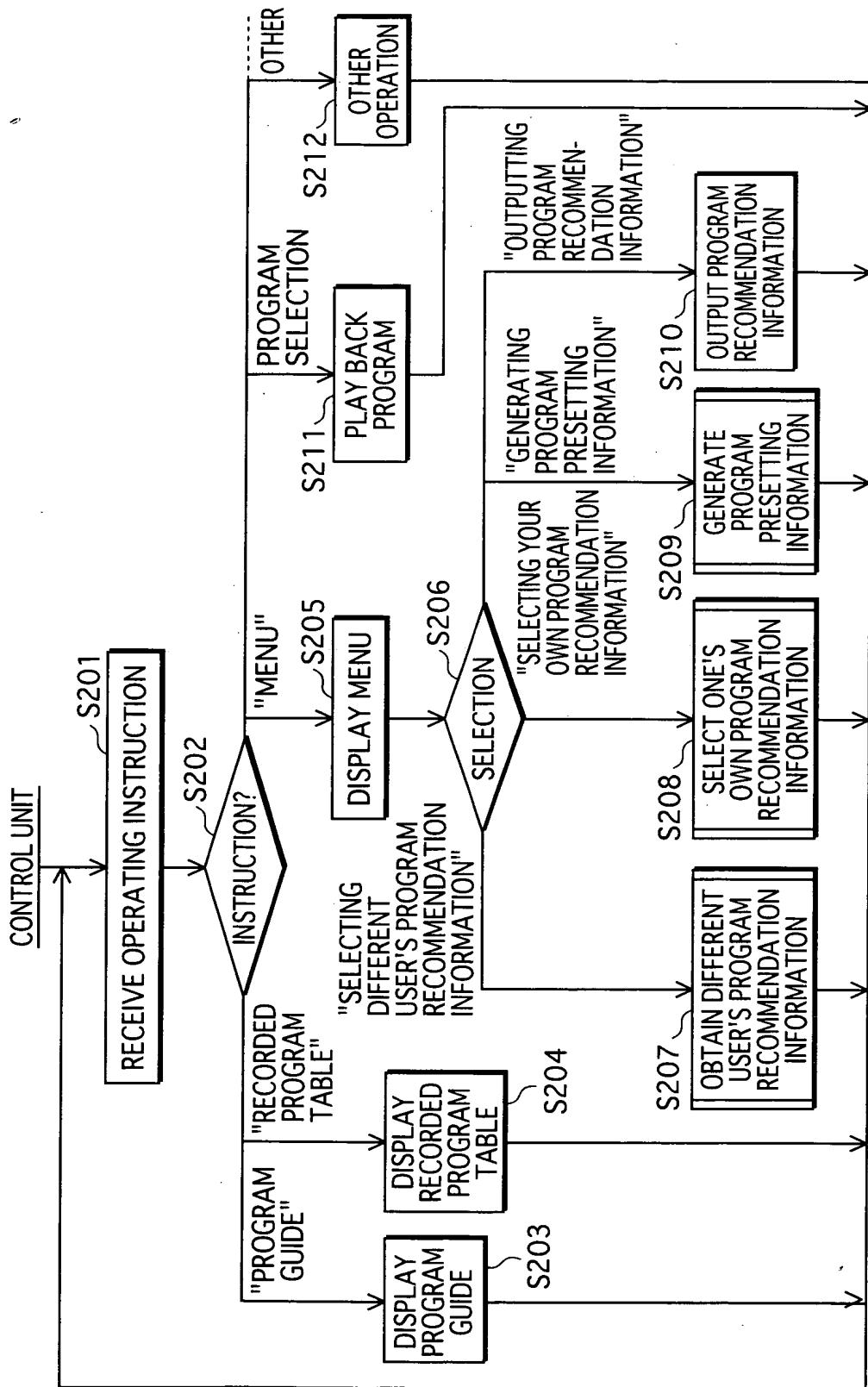


FIG.27

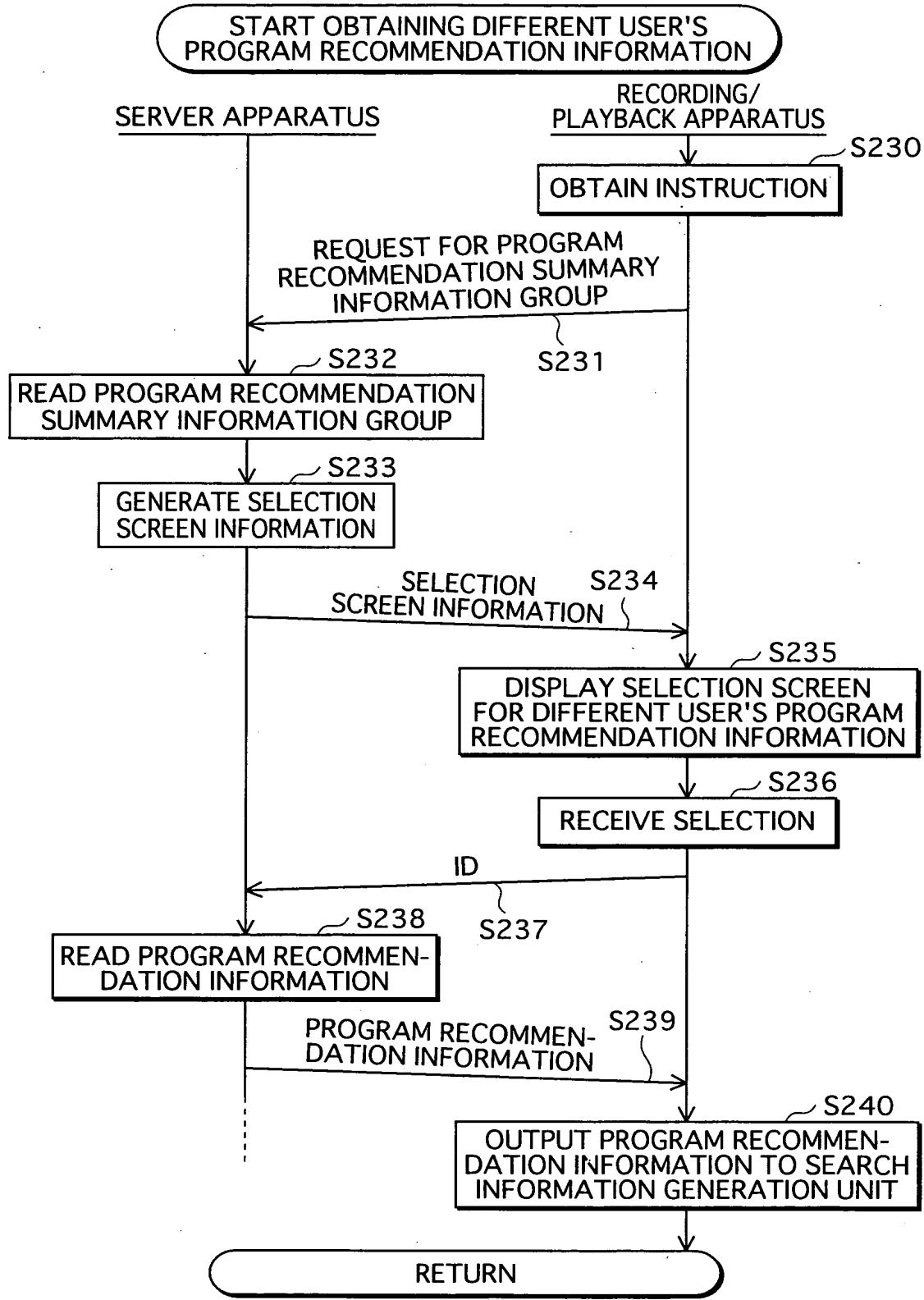


FIG.28

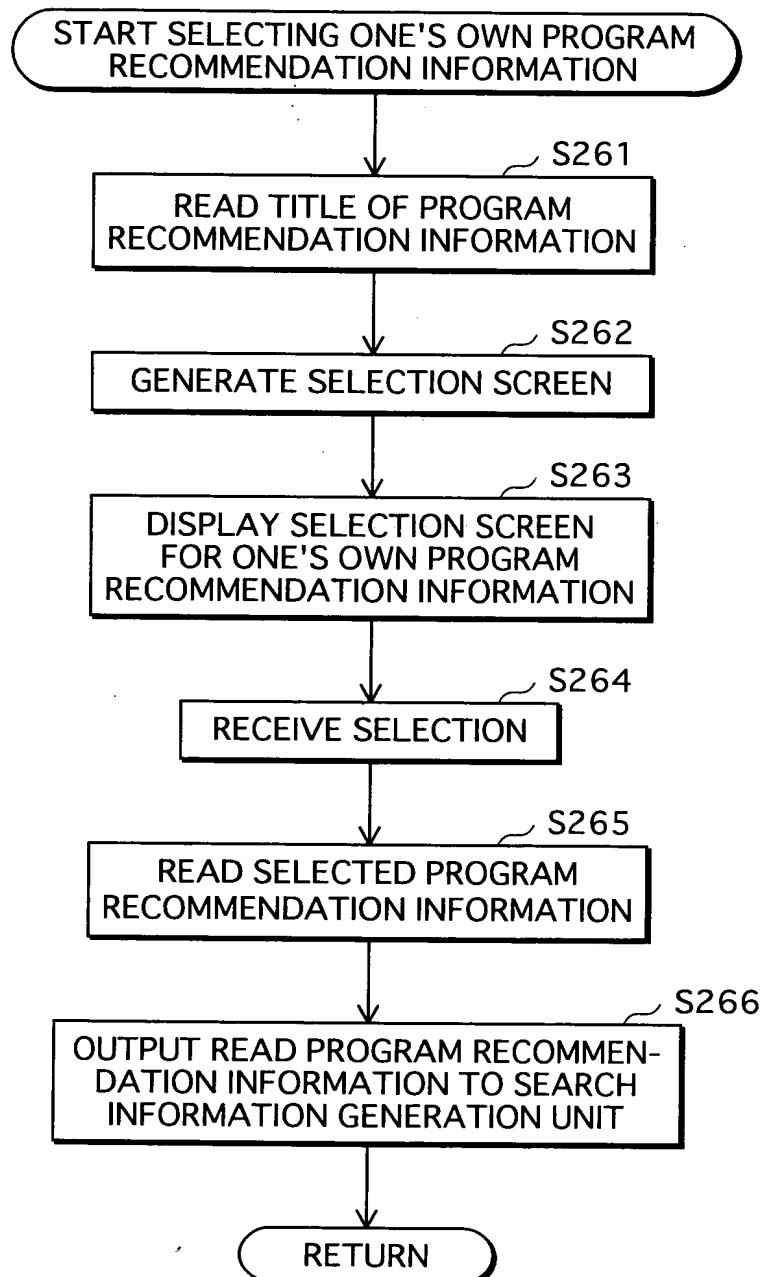


FIG.29

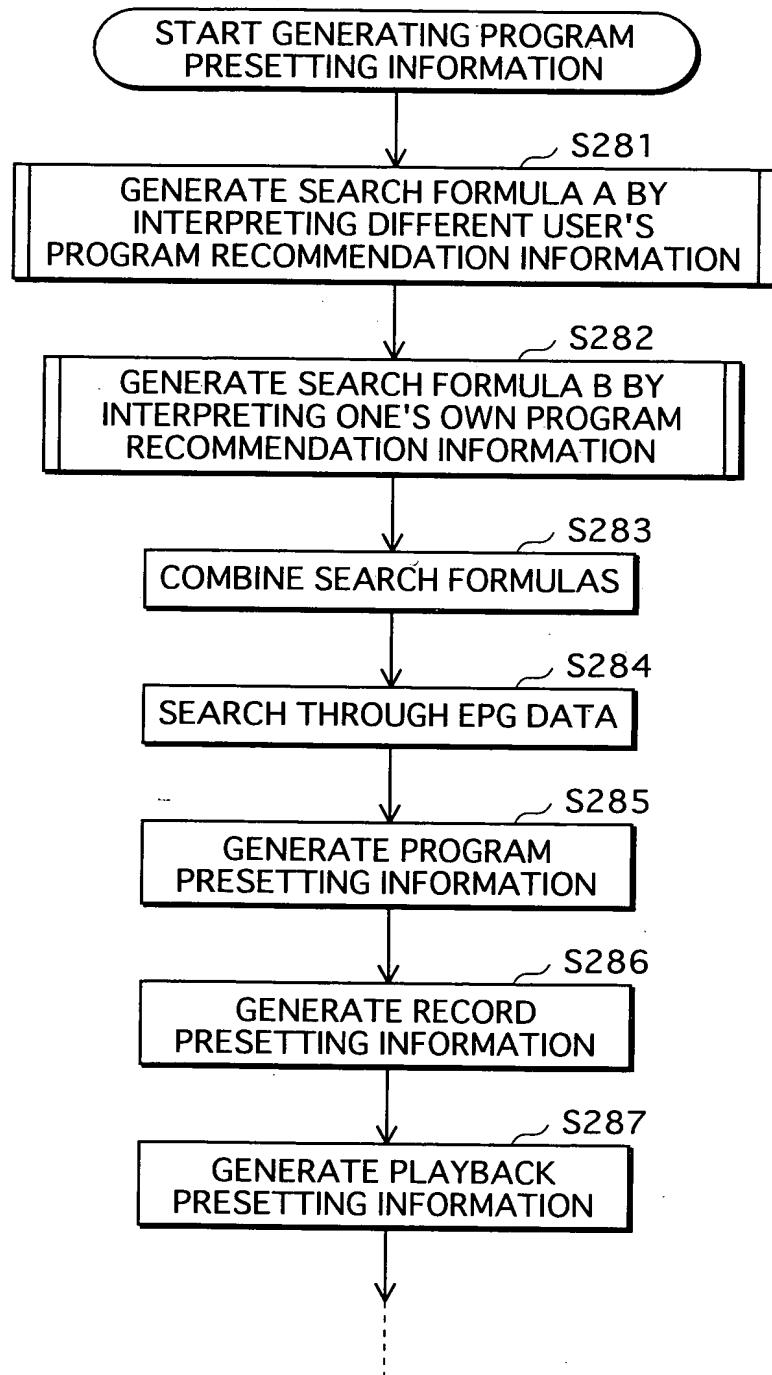


FIG.30

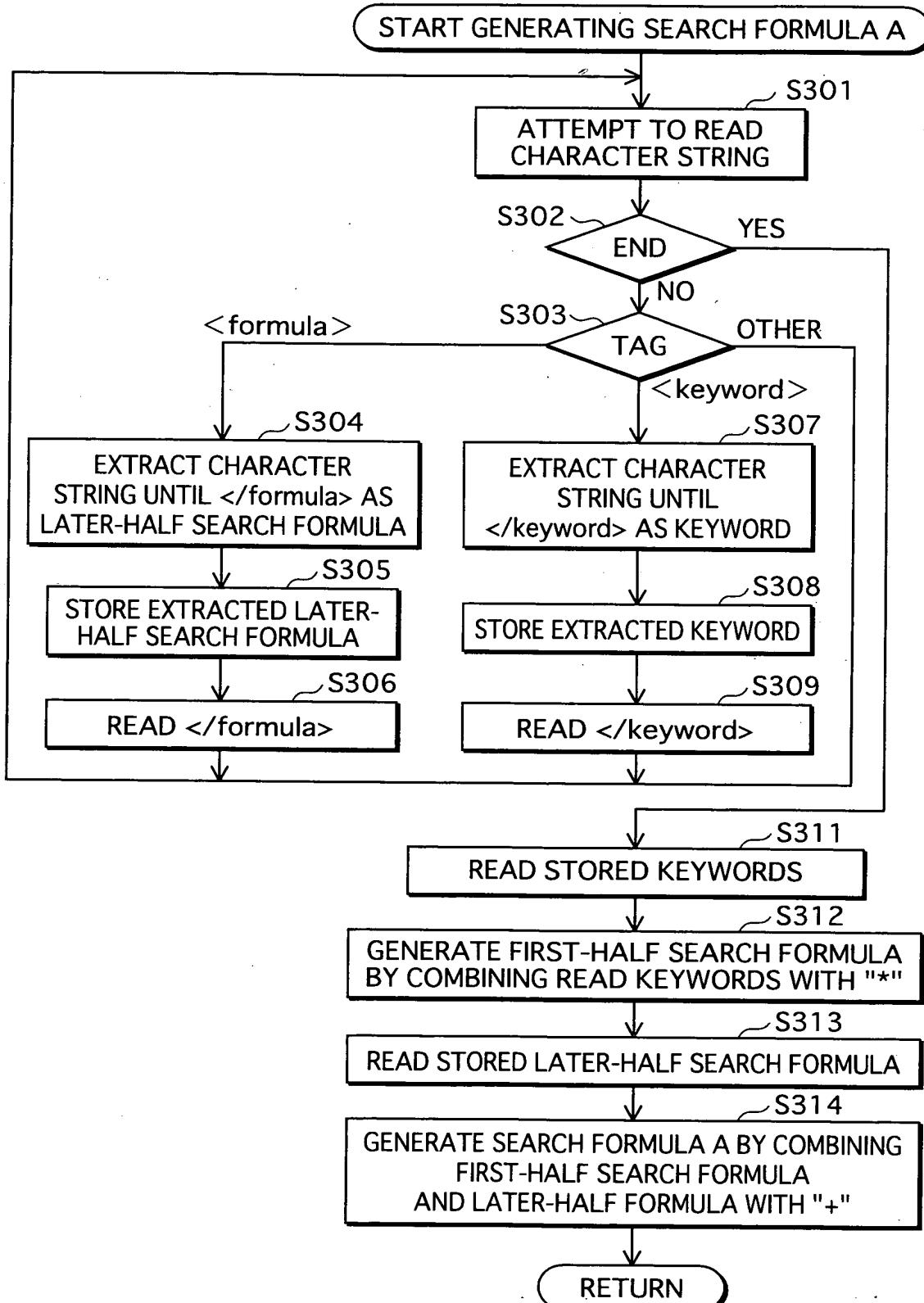


FIG. 31

SELECTION SCREEN FOR ONE'S OWN
PROGRAM RECOMMENDATION INFORMATION ↵ 561

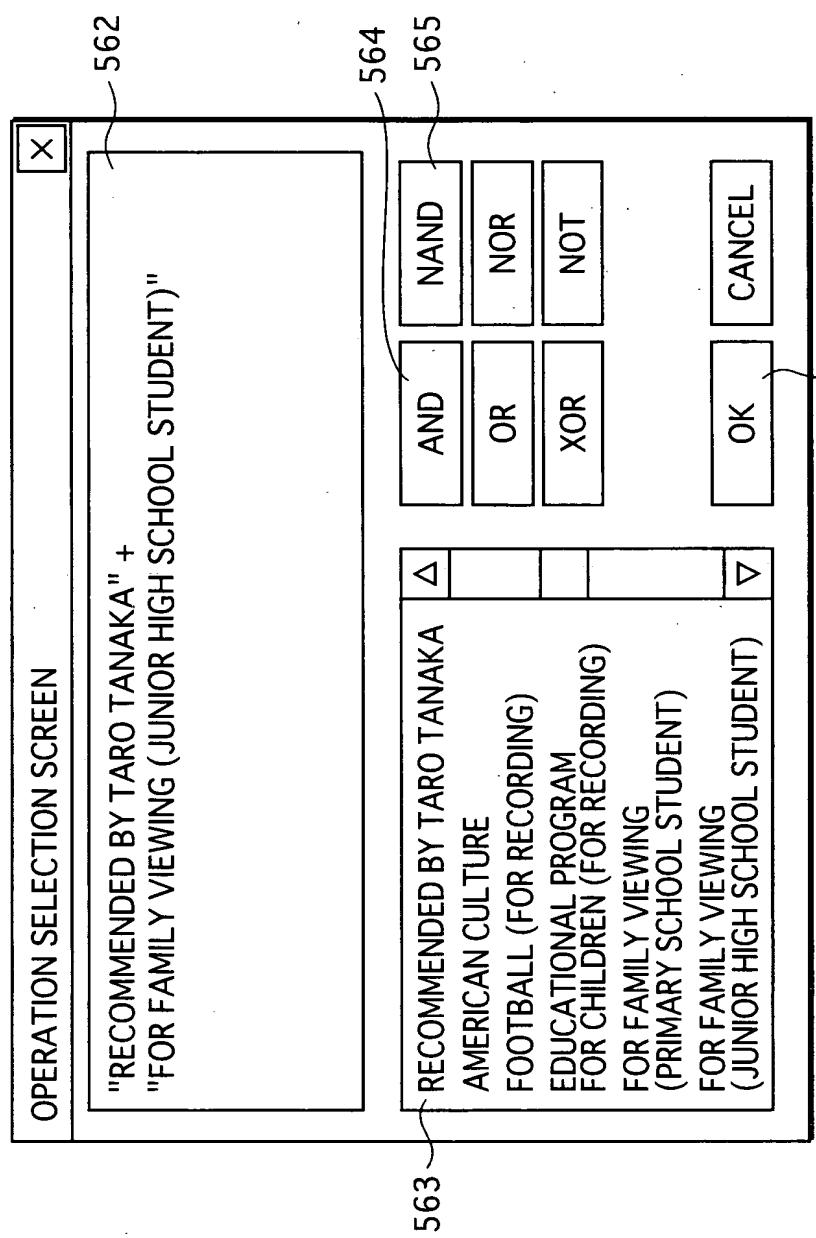


FIG.32

135

PERSONAL INFORMATION STORAGE UNIT

801

SEARCH FORMULA TABLE

VIEWER ID	SEARCH FORMULA
ID_A	FORMULA A
ID_B	FORMULA B
ID_C	FORMULA C

PROGRAM
SEARCH INFORMATION

811

SEARCH FORMULA A+SEARCH
FORMULA B+SEARCH FORMULA C

TIME PERIOD TABLE

821

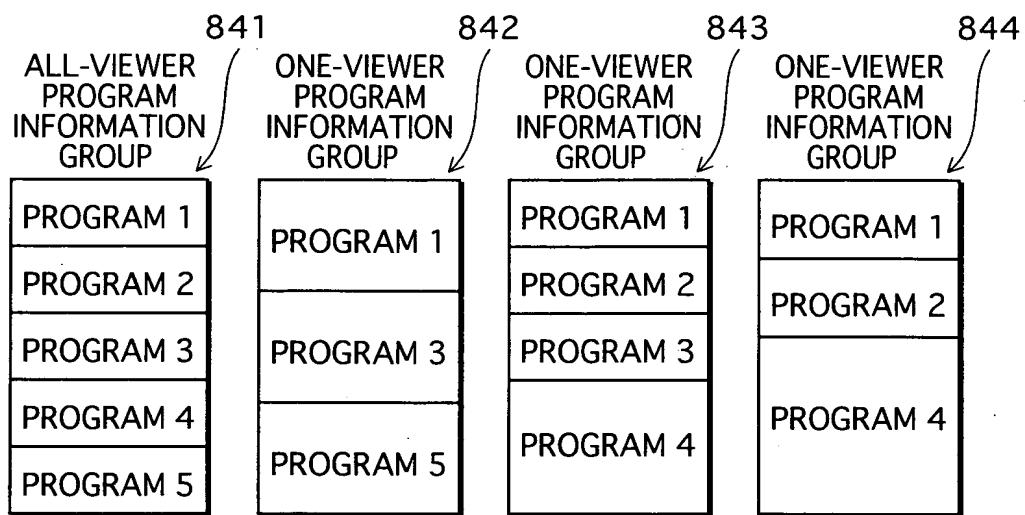
VIEWER ID	TIME PERIOD
ID_A	MARCH 11, 2005 19:00~23:00
ID_B	MARCH 11, 2005 20:00~23:30
ID_C	MARCH 11, 2005 21:00~22:00

PRIORITY TABLE

831

VIEWER ID	PRIORITY
ID_A	0.5
ID_B	0.25
ID_C	0.25

FIG.33



851
PRIORITY CALCULATION TABLE

VIEWER PRO- GRAM ID	VIEWER A	VIEWER B	VIEWER C	TOTAL
PROGRAM 1	0.5	0.25	0.25	1.0
PROGRAM 2	—	0.25	0.25	0.5
PROGRAM 3	0.5	0.25	—	0.75
PROGRAM 4	—	0.25	0.25	0.5
PROGRAM 5	0.5	—	—	0.5

FIG.34

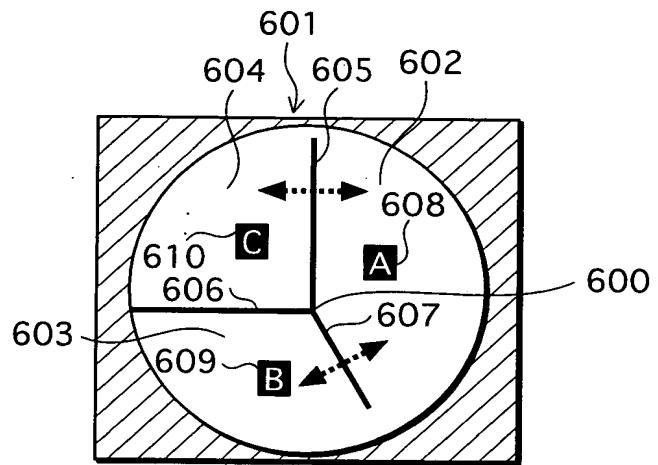


FIG.38

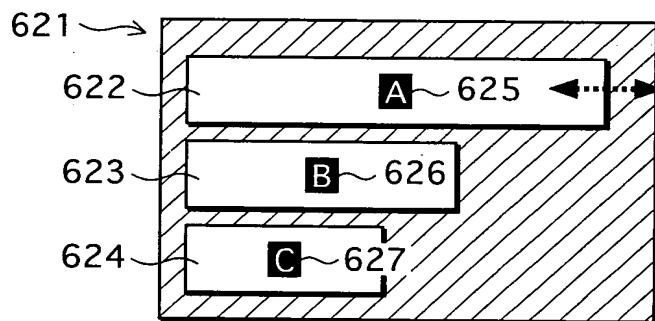


FIG.39

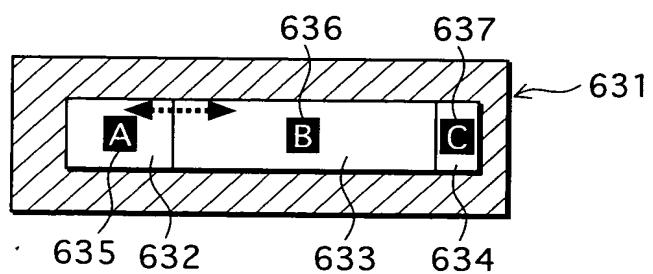


FIG.35

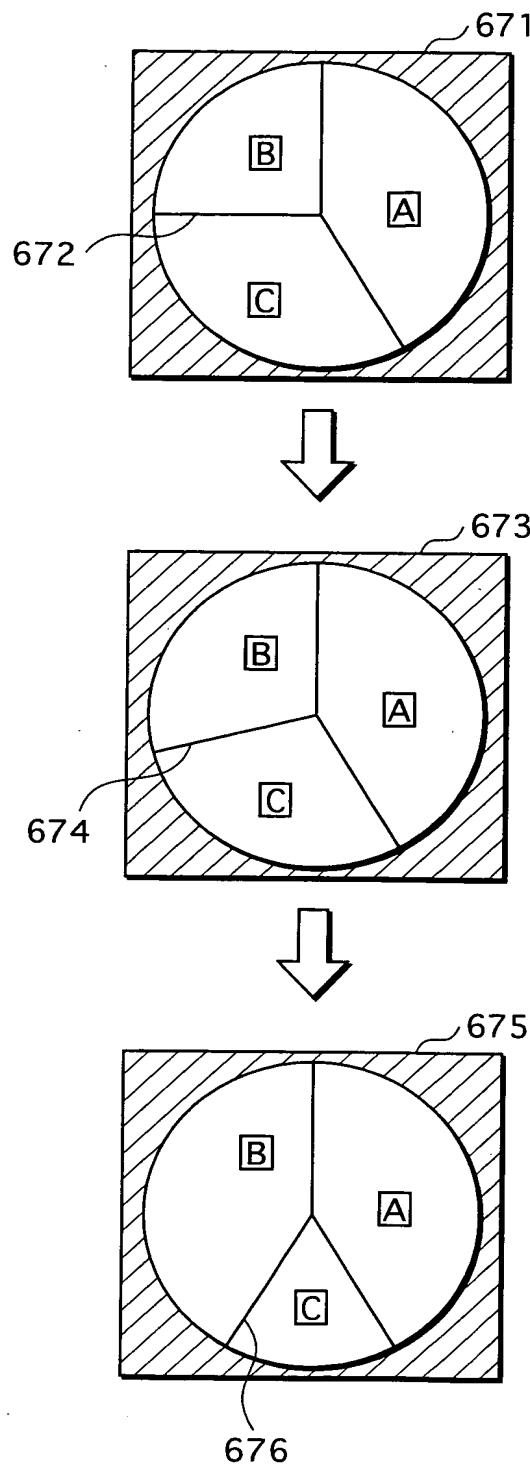


FIG.36

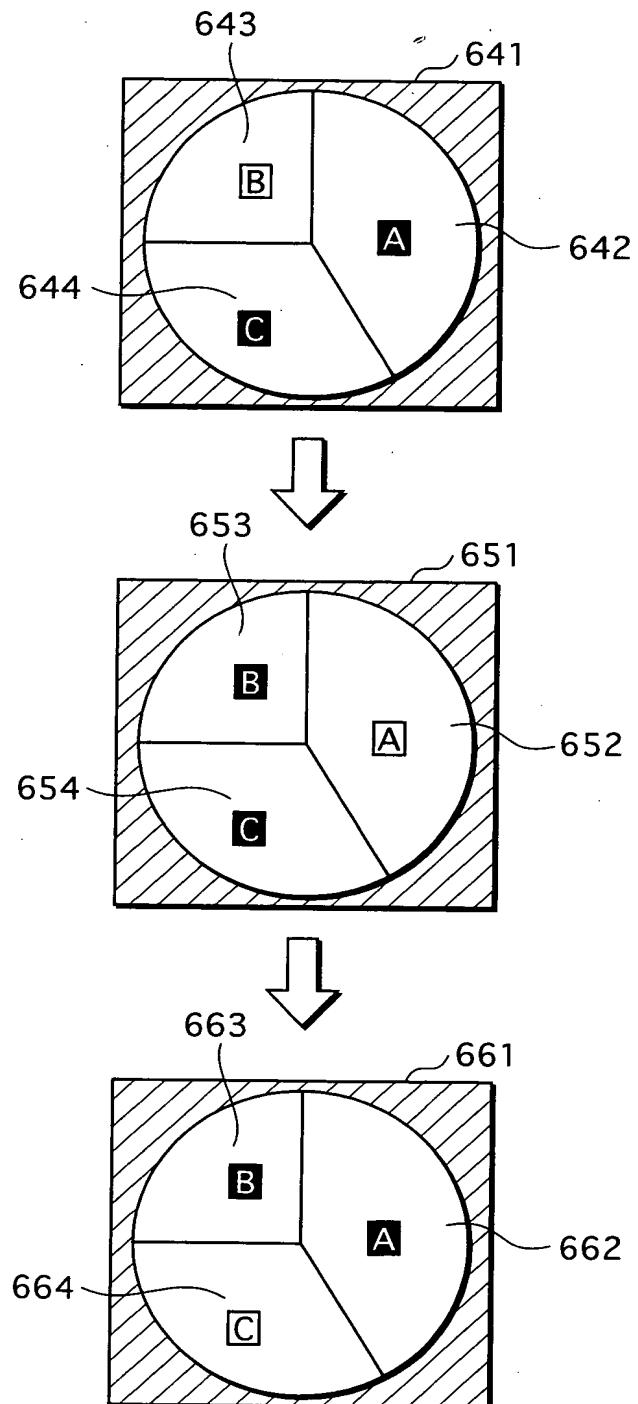
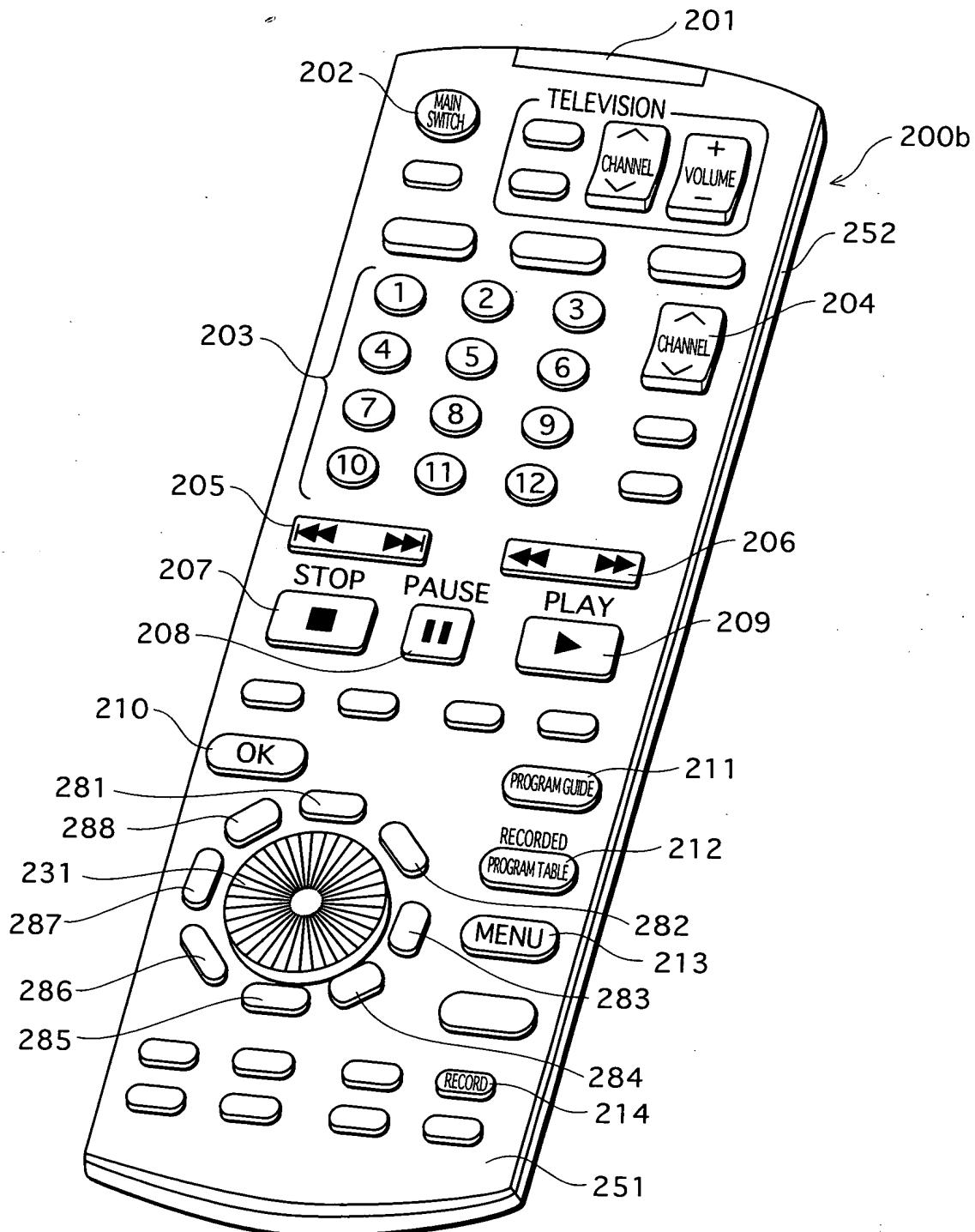
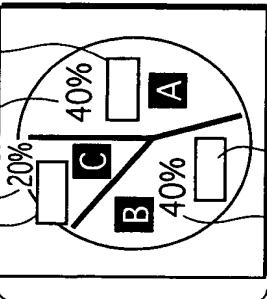


FIG.37



708a 706b 706a

FIG.40



PROGRAM RECOMMENDATION RESULT : A, B, C
JANUARY 5 (TUES) 22 : 00~23 : 00
MASTERPIECE PAINTINGS IN THE WORLD :
EUROPE IN THE MIDDLE AGES

703

△ CH

START

2 22 : 00

3 21 : 00

10 09 : 00

8 17 : 00

8 01 : 30

4 20 : 00

PROGRAM TITLE

INTRODUCTION OF ASIA

A B C

MASTERPIECE PAINTINGS IN THE WORLD

A B C

KYOTO VISITORS' GUIDE

A B

DRAMA "SPRING IN SHANGHAI"

A B

MOVIE THEATER "A PORTRAIT OF RAIN"

A

LEGEND OF KOTARO YAMASHITA

C

704

ITEM SELECTION ○ RETURN
PROGRAM
PRESETTING

705

FIG. 41

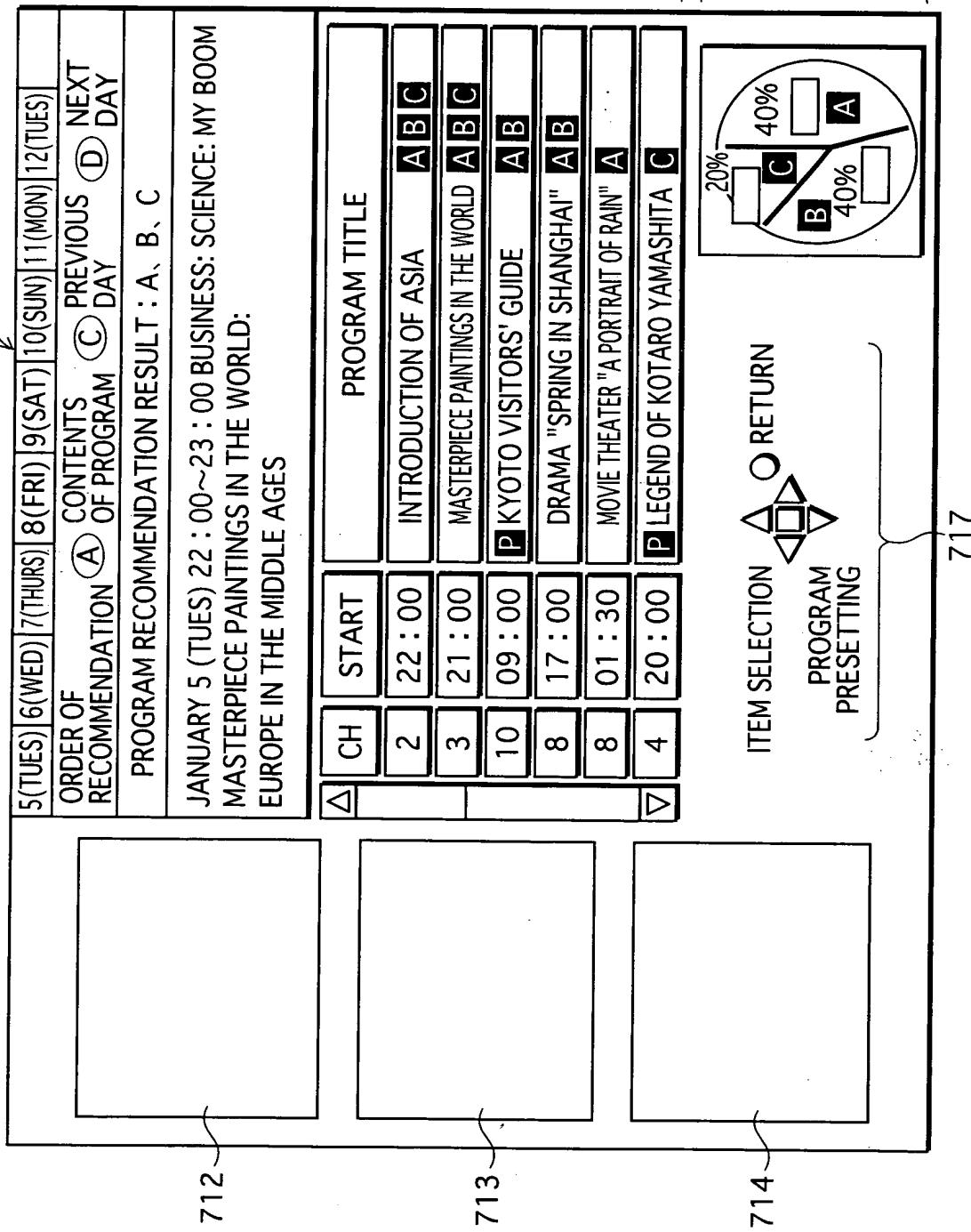


FIG. 42

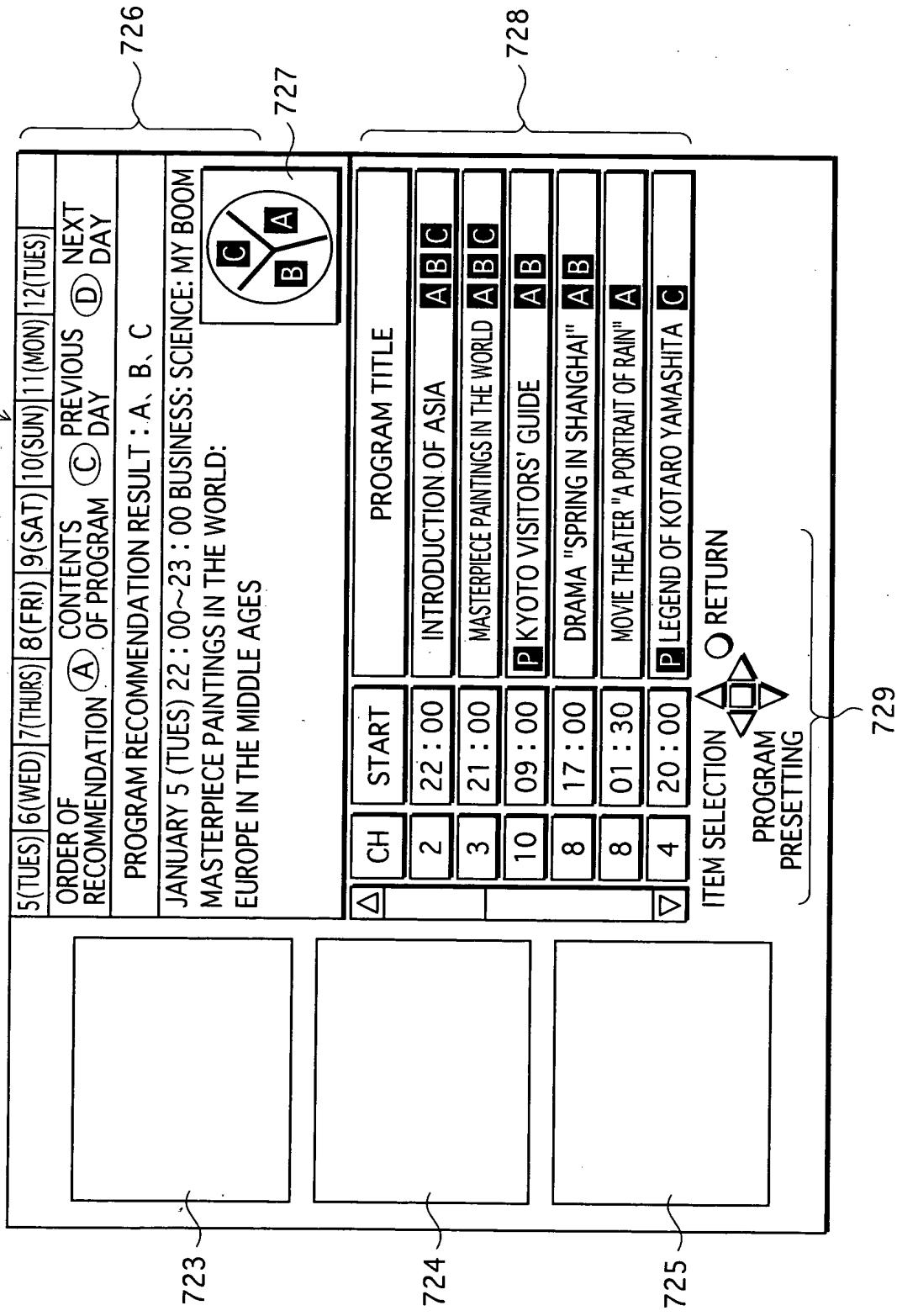


FIG.43

731

